ABSTRACT

Systems and methods are provided for monitoring and suppressing arcing between a first

electrode and a second electrode of an electro-kinetic system. A current (or voltage) associated with

the electro-kinetic system is monitored in order to adjust a first count and a second count. Each time

a monitored value reaches a threshold, the first count is incremented. Each time the first count

reaches a first count threshold, the electro-kinetic system is temporarily shut down for a

predetermined period, the second count is incremented, and the first count is re-initialized. The

electro-kinetic system restarts after the predetermined period. When the second count reaches a

second count threshold, the electro-kinetic system is shut-down until a reset condition is satisfied.

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